WAVE

5-in-1 room sensor

Scan or click to discover product in details

Nexelec

- CO_2 Carbon Dioxide
- Temperature
- Humidity
- Presence
- Luminosity

Intelligent and connected

On-board data analysis algorithm. Remote reading of measurements. All information is available in a secure cloud space.

Design

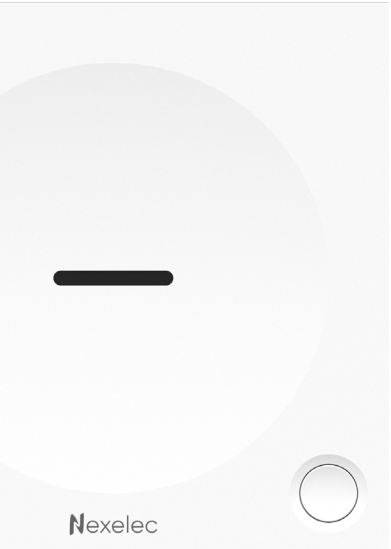
Facilitates product acceptance by occupants

Monitors Indoor Air Quality

Numerous built-in sensors continuously analyze the atmosphere. Valuable data for occupant well-being

Presence detection

Motion sensor detects people up to 6 meters away. Useful for lighting, security or temperature control



Temperature / Humidity

For better indoor comfort. Measures ambient parameters in offices or homes

Detects and measures ambient light

The brightness sensor measures the amount of light in the room. Useful for controlling lighting or adjusting temperature more quickly according to sunshine levels

High-performance battery

Operates on replaceable lithium batteries. Up to 20 years(1) of autonomy

Clearly visible indicator light

The Green / Orange / Red indicator changes with the CO2 level and alerts you when it's time to ventilate to renew the indoor air

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www.nexelec.eu

Reference	Radio
X530LS	LoRaWAN - Sigfox
X530LR	LoRaWAN

Various protocols and radio zones available.
Click or scan this QR Code to select the appropriate reference.

Net weight: 150 g (including battery)

FUNCTIONS

Anti-tear detection

Triggers an alert message if the product is removed from its mounting base

Easy to configure

Easy product adjustment via contactless NFC technology from a smartphone

270° Air

Numerous side openings for better ambient air analysis

Instantaneous measurement

Easy to operate, thanks to a button on the front of the sensor. Useful for occupants or technicians (function can be deactivated)

Measurement accuracy

No risk of measurement drift. Automatic weekly recalibration of CO2 sensor. Manual calibration possible

Easy to install

Free-standing on desk, wall or flush-mounted box. Adhesive mounting included

Anti-theft protection

Lockable mounting base reduces risk of sensor removal

Regulatory compliance

Direct-reading sensor compliant with French standards for measuring CO2 concentration in indoor air

Calibration certificate

Accuracy of CO2, temperature and humidity measurements validated by a COFRAC-accredited metrology laboratory

Enhanced cyber security

Data transmitted by the product is secured from end to end using double AES128 encryption

Reliable data transmission

Transmission modes adapted to every need, with redundant transmissions for high availability of critical data

FEATURES

Carbon Dioxide

Res.: 1 ppm

Prec.: ±(50 ppm + 3% value)

Measuring range: 0 - 5 000 ppm

Humidity

Res.: 0.5% R.H.

Prec.: ±2% R.H.

Measuring range: 0 - 100% R.H.

Conditions of use

Indoor environment
Temperature: -20°C to +50°C
Humidity: 0% RH to 99% RH (non-condensing)

Presence

Technology: Passive infrared (PIR)
Angle: 92° (Vertical and Horizontal)
Detection distance: 6m

Power supply

2 battery slots
1 USB-C socket

Data transmission mode

Periodic
Grouped data (datalog) with transmission redundancy

Luminosity

Res.: 5 lux

Prec.: ±5 lux

Measuring range: 0 - 5 000 lux

Certification*

Mounting type

Wall-mounted or free-standing

Warranty[2]

2 years

Mostly recyclable product

Temperature

Res.: 0.1°C

Prec.: ±0.2°C

Measuring range: -30°C - +70°C

Connectivity*

Box content

1 sensor
2 batteries included
1 mounting base
1 SD card
2 nylon screws and plugs
1 3M® adhesive fastener

[1] Battery life is not guaranteed and may vary according to settings and product use. [2] Please refer to the information available on www.support.nexelec.fr *Available according to reference

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